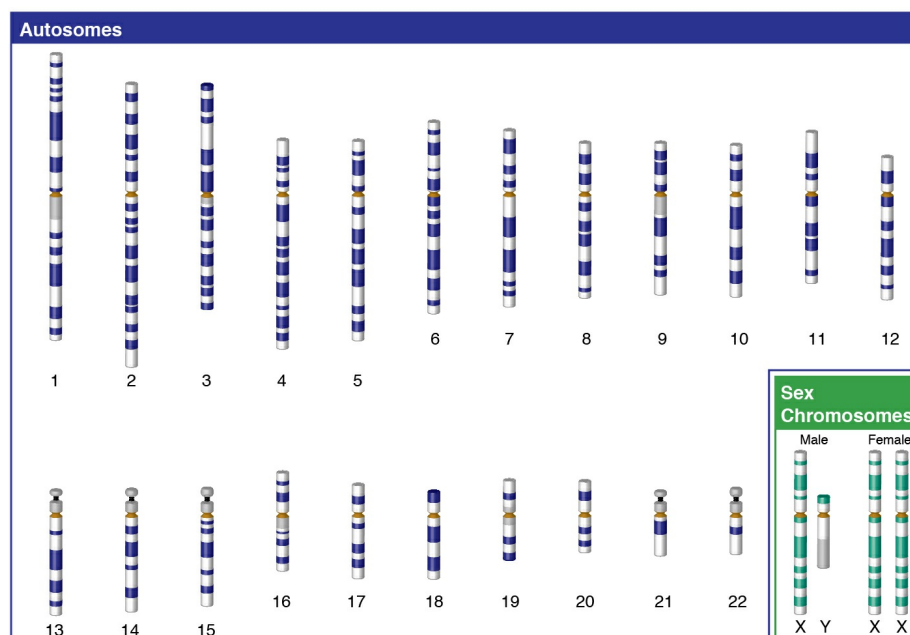


X Chromosome

National Human Genome Research Institute (NHGRI)

Source

National Human Genome Research Institute (NHGRI). *X Chromosome*.



The X chromosome is one of two sex chromosomes. Humans and most mammals have two sex chromosomes, the X and Y. Females have two X chromosomes in their cells, while males have X and Y chromosomes in their cells. Egg cells all contain an X chromosome, while sperm cells contain an X or a Y chromosome. This arrangement means that during fertilization, it is the male that determines the sex of the offspring.